

Recovery Plan Action Status

Plan Name: Kendall Warm Spring Dace

Plan Status: Final

Plan Date: 12-Jul-82

Lead Agency: USFWS

Lead Office: Wyoming Ecological Services Field Office

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772-2374)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Kendall Warm Springs dace (Rhynchichthys osculus thermalis)	2	111	Develop criteria and procedures to monitor changes in population levels.	Complete	Prior to FY 1995	Prior to FY 1995	Wyoming Department of Game and Fish, U.S. Forest Service	Research: Population Surveys	Labor type not yet selected	WG&FD costs = 1K, USFS costs = 1K. WG&FD is lead.
Kendall Warm Springs dace (Rhynchichthys osculus thermalis)	2	112	Monitor to determine changes in population levels.	Ongoing Current	FY 1995 - FY 1999		Wyoming Department of Game and Fish, U.S. Forest Service	Research: Population Surveys	Labor type not yet selected	WG&FD costs = 1K/year, USFS costs = 1K/year. USFS has taken lead.
Kendall Warm Springs dace (Rhynchichthys osculus thermalis)	2	113	Monitor to determine if all age groups are present.	Ongoing Current	FY 1995 - FY 1999		Wyoming Department of Game and Fish, U.S. Forest Service	Research: Population Surveys	Labor type not yet selected	WG&FD costs = 1K/year, USFS costs = 1K/year. USFS has taken lead.
Kendall Warm Springs dace (Rhynchichthys osculus thermalis)	2	1211	Inspect to assess habitat conditions and identify problems.	Ongoing Current	FY 1995 - FY 1999		Wyoming Department of Game and Fish, U.S. Forest Service	Research: Habitat Status	Labor type not yet selected	All costs are USFS. They are lead for this task.
Kendall Warm Springs dace (Rhynchichthys osculus thermalis)	2	1212	Establish station to document habitat conditions and terms.	Not Started			Wyoming Department of Game and Fish, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	All costs are USFS. They are lead for this task.
Kendall Warm Springs dace (Rhynchichthys osculus thermalis)	1	1221	Maintain fencing.	Ongoing Current	Prior to FY 1995		U.S. Forest Service	Management: Habitat Maintenance and Manipulation	Internal Field Assistance	All costs are USFS. They are lead for this task.
Kendall Warm Springs dace (Rhynchichthys osculus thermalis)	1	1222	Continue restrictions on vehicle use.	Ongoing Current	Prior to FY 1995		Wyoming Department of Game and Fish, U.S. Forest Service	Management: Land Use	Internal Field Assistance	All costs are USFS. They are lead for this task.
Kendall Warm Springs dace (Rhynchichthys osculus thermalis)	1	1223	Continue prohibition on bathing, wading, and use of soaps.	Ongoing Current	Prior to FY 1995		Wyoming Department of Game and Fish, U.S. Forest Service	Other: Regulations	Labor type not yet selected	All costs are USFS. They are lead for this task.
Kendall Warm Springs dace (Rhynchichthys osculus thermalis)	2	1224	Continue onsite I&E program.	Ongoing Current	Prior to FY 1995		Wyoming Department of Game and Fish, U.S. Forest Service	Other: Information and Education	Internal Field Assistance	All costs are USFS. They are lead for this task.

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Kendall Warm Springs dace (Rhinichthys osculus thermalis)	1	1231	Implement additional protective measures if needed.	Not Started			Wyoming Department of Game and Fish, U.S. Forest Service, USFWS Region 6, Law Enforcement Division, USFWS Region 6, Endangered Species Division	Work type not yet selected	Labor type not yet selected	Cost unknown at present. USFS is lead for this task.
Kendall Warm Springs dace (Rhinichthys osculus thermalis)	1	131	Monitor to prevent illegal taking of dace.	Not Started			Wyoming Department of Game and Fish, U.S. Forest Service, USFWS Region 6, Law Enforcement Division	Work type not yet selected	Labor type not yet selected	No additional funding anticipated. Monitoring can occur in conjunction with other duties. WG&FD and USFS are lead for this task.
Kendall Warm Springs dace (Rhinichthys osculus thermalis)	1	132	Implement law enforcement responsibilities in instances of taking.	Not Started			Wyoming Department of Game and Fish, U.S. Forest Service, USFWS Region 6, Law Enforcement Division	Work type not yet selected	Labor type not yet selected	All costs are WG&FD. They are lead for this task.
Kendall Warm Springs dace (Rhinichthys osculus thermalis)	1	133	Assure compliance with Sec. 7 of ESA.	Ongoing Current	FY 1995 - FY 1999		Wyoming Department of Game and Fish, U.S. Forest Service, Other Federal Agencies, USFWS Region 6, Endangered Species Division	Other: Regulations	Internal Technical Assistance	Cost incurred by USFS to comply with Section 7. Both SE and USFS are lead for this task.
Kendall Warm Springs dace (Rhinichthys osculus thermalis)	3	211	Identify techniques to accomplish taxonomy study.	Complete	Prior to FY 1995	Prior to FY 1995	Wyoming Department of Game and Fish, U.S. Forest Service, USFWS Regional 6, Division of Research	Work type not yet selected	Labor type not yet selected	WG&FD costs = 0.66K, R6 Research costs = 0.66K, USFS costs = 0.66K. WG&FD is lead for this task.
Kendall Warm Springs dace (Rhinichthys osculus thermalis)	3	212	Recommend agencies/personnel to conduct study.	Complete	Prior to FY 1995	Prior to FY 1995	Wyoming Department of Game and Fish, U.S. Forest Service, USFWS Regional 6, Division of Research	Work type not yet selected	Labor type not yet selected	Each party contributed 0.165K towards this task. WG&FD is lead for this task.

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Kendall Warm Springs dace (Rhinichthys osculus thermalis)	3	2131	Determine effect of rearing temperature.	Complete	Prior to FY 1995	Prior to FY 1995	Wyoming Department of Game and Fish, U.S. Forest Service, USFWS Regional 6, Division of Research	Work type not yet selected	Labor type not yet selected	All parties contributed 3.33K/year. WG&FD is lead for this task. Duration (1.5 to 3 years) and cost will depend on whether eggs are obtained from the wild or artificially.
Kendall Warm Springs dace (Rhinichthys osculus thermalis)	3	2132	Determine thermal preferences	Complete	Prior to FY 1995	Prior to FY 1995	Wyoming Department of Game and Fish, U.S. Forest Service, USFWS Regional 6, Division of Research	Work type not yet selected	Labor type not yet selected	All parties contributed 2.5K. WG&FD is lead for this task.
Kendall Warm Springs dace (Rhinichthys osculus thermalis)	3	2133	Biochemical genetic studies of Kendall dace and speckled dace.	Complete	Prior to FY 1995	Prior to FY 1995	Wyoming Department of Game and Fish, U.S. Forest Service, USFWS Regional 6, Division of Research	Work type not yet selected	Labor type not yet selected	All parties contributed 5.83K. WG&FD is lead for this task.
Kendall Warm Springs dace (Rhinichthys osculus thermalis)	3	2134	Routine meristic study of Kendall dace and speckled dace.	Complete	Prior to FY 1995	Prior to FY 1995	Wyoming Department of Game and Fish, U.S. Forest Service, USFWS Regional 6, Division of Research	Work type not yet selected	Labor type not yet selected	All parties contributed 1.83K. WG&FD is lead for this task.
Kendall Warm Springs dace (Rhinichthys osculus thermalis)	3	221	Identify additional actions needed to accomplish study objective if results are inconclusive.	Obsolete			Wyoming Department of Game and Fish, U.S. Forest Service, USFWS Regional 6, Division of Research	Work type not yet selected	Labor type not yet selected	All parties contributed 1.33K. WG&FD is lead for this task.
Kendall Warm Springs dace (Rhinichthys osculus thermalis)	3	2221	Recommend delisting if subspecies invalid.	Obsolete			Wyoming Department of Game and Fish, U.S. Forest Service, USFWS Region 6, Endangered Species Division	Work type not yet selected	Labor type not yet selected	

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Kendall Warm Springs dace (Rhinichthys osculus thermalis)	3	2222	Continue to implement and revise existing recovery plan as needed if subspecies is valid.	Ongoing Current	Prior to FY 1995		Wyoming Department of Game and Fish, U.S. Forest Service, USFWS Region 6, Endangered Species Division	Research	Internal Technical Assistance	